

Site activities IVO Gold King Mine Release

22AUG2015

Agency/Organization	Number of Personnel
EPA	02
USCG	04
ER	14
START	05
OMNI Water Solutions	03
Visitors	00
Total Personnel	26

Water Treatment –

- Caustic and flocculent addition on going.
- Pumping from Gold King Mine treatment pond 1 to Red and Bonita pond 3.
- Evaluated Gladstone area for potential additional water treatment locations.
- Treatment Media Remaining – ~800 Gal NaOH, 07 Bags of Brenn floc, 53 (est.) Bags of powdered Lime
- Looking in to creating a lime slurry with a PH of 7.5 and stopping the addition of the caustic solution and Brenn-FLOC
- Increased lime addition to 800 pounds a day, stopped using the BrennFloc
- Preparing for lime slurry ops if needed based upon eval of current operations

Sediment Recovery – OMNI Water Solutions / Rain for Rent

Omni is removing sediment from the ponds into filter bags

Effluent from bags is pH 6.5

Pump out approximately 200 barrels of 6.5 sediment free water

Water quality Sampling – START Data submitted separately.

- Water quality parameters collected at 11 locations three times daily
- Flow Rate of 543 GPM was recorded at 0930 from the Gold King Mine adit portal.
- Flow rate of *** GPM was recorded at 1745 from the Gold King Mine adit portal.
- START requested to not collect special samples for EPA
- USCG personnel to monitor the PH and NTU's at 4 different locations every 2 hours to monitor water treatment change.

Red and Bonita (R&B) Mine Operations –

- Concreting cofferdam in the mine which created turbidity in Cement Creek.

Gold King Mine Ops –

- Road stability improvements with the Gabion baskets still going on
- Access to GKM will be restricted due to road excavation and basket installation

Media Interest –

- No media or VIP site visits today

Logistics –

- Generator on EPA MEOC out of commission. Connections for another generator are connected and working properly.

Future Actions –

- Change treatment in first pond from direct treatment to circular treatment to improve circulation.
- BLM to be conducting survey of roads IVO Gold King Mine efforts.
- San Miguel Power to remove damaged power lines 26 AUG 2015.
- Rain for Rent engineering solution for diversion to R&B and down to Gladstone.
 - Additional rerouting options.
- Survey to be conducted for Gold King Mine waste dump
- Discussing the procurement of a water truck to help create Lime Slurry mixture in totes
- Automated lime treatment system on order
-